			Atty. Docket No.	Serial N	No.: 09/93	3828
Form PTO-144 (Rev. 2-32)	9 U.S. Departme Patent & Trad	nt of Commerce emark Office	Q65905	Confirm	nation No.:	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Applicant: Akira HIRAYAMA			
			Filing Date: August 22, 2001	Group:	1732	500 500 500 500 500 500 500 500 500 500
		U.S. PATE	ENT DOCUMENTS			
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	Document	Date	Country	Class	Sub- class	Translation Yes/No
LBT	52-97484 A	08/16/77	JP TD	<del>D23D</del>	1/08	<del></del>
LBT	3-251329 <b>A</b>	11/08/91	JP	<del>B23P</del>	<del>25/00</del>	
					<b></b>	
	OTHER DOC	UMENTS (Includin	g Author, Title, Date, F	Pertinent Pages	s, Etc.)	
EXAMINER: I	EO B. TENTON	<u>r</u>	DATE CONSIDER	ED: 08/a	8/2003	
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Complete if Known Application Number 09/933,828 7274 Confirmation Number August 22, 2001 Filing Date Akira HIRAYAMA First Named Inventor 1732 Art Unit Not Yet Assigned TENTONI Examiner Name Q65905 Attorney Docket Number

U.S. PATENT DOCUMENTS							
		Document Number		Publication Date			
	Cite No.1	Number	. Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		
LBT		US 3,413,708	Α	12-03-1968	Norville et al.		
LBT		US 3,176,387	A	04-06-1965	Argueso, Jr. et al.		
LBT		US 2,905,064	A	09-22-1959	Nielsen et al.		
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			F	OREIGN PA	ATENT DOCUM	ENTS		
Examiner Cite Initials* No.1	Foreign Patent Document			Publication Date	Name of Patentee or	Translation <sup>6</sup>		
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Translation	
		JP	52-97484	A -	08-16-1977	Toshiba Corp.*	Abstract	
		JP	3-251329	A	11-08-1991	Showa-Aircraft Ind. Co. Ltd.*	Abstract	
		* Cited for completeness since in the IDS of August 22, 2001						
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		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
LBT		Patent Abstracts of Japan, JP 52097484, August 16, 1977.	
LBT		Patent Abstracts of Japan, JP 03251329, November 8, 1991,	
LBT		European Search Report for EP 01 30 7145 (NOVEMBER 29, 2001).	
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Examiner Signature	LEO B.	TENTONI	Date Considered	08/28/2003

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<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to indicate here if English language Translation is attached.